How can you help?

Whether you live in a city, on a farm or in a forest - especially if you live near the water - it is in everyone's interest to keep our riparian areas as natural as possible. When we neglect them or let them get cleared, paved, or split up, water quality and fish habitat suffer. Increased flooding and erosion may cause severe property damage.

One way to help is to create buffers of native vegetation along streams, lakes and wetlands. On farms, this can mean fencing to limit access by livestock and diverting water to a stock tank.

Sometimes more sophisticated restoration methods are necessary. These include bank stabilization, in-stream structure, and meander construction. Permits are required for many activities in and around streams, lakes, and wetlands. Before you start a project like this, consult an expert and the Permit Assistance Center at 1-800-917-0043 or visit their Web site at

http://www.wa.gov/ecology/sea/pac/index.html



Where can YOU get help?

Many state and federal programs offer financial incentives for landowners who want to restore and protect riparian areas. Funding and tax breaks may be available for restoration activities.

For additional information, contact your local Natural Resource Conservation Service (NRCS) office or conservation district, the Washington Department of Fish and Wildlife, the Washington Department of Natural Resources, or the Department of Ecology.

Regional Ecology offices:

Eastern (Spokane): (509) 329-3400 Northwest (Bellevue): (425) 649-7000 Southwest (Lacey): (360) 407-6300 Central (Yakima): (509) 575-2490

The Department of Ecology is an equal opportunity agency and does not discriminate on the basis of race, creed, color, disability, age, religion, national origin, sex, marital status, disabled veteran's status, Vietnam Era veteran's status, or sexual orientation.

If you have special accommodation needs or require this document in an alternative format, please call Donna Lynch at (360)407-7529. The TDD number is (306)407-6006. E-mail may be sent to dlyn461@ecy.wa.gov

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What are Riparian areas?



They're the transition zones between land and water environments.

Riparian areas have unique plant and soil characteristics, often much different from the land and water environments they connect.



Why are riparian areas important?

Undisturbed riparian zones teem with wildlife and dense vegetation - grasses, shrubs and larger trees like willows, cottonwoods and conifers. They protect the adjacent waterbody and perform many vital functions:

They stabilize shorelines – Shrubs and trees hold the soil along streams and lakes, preventing banks from collapsing and eroding during periods of high water.

They reduce downstream flooding – Trees and shrubs absorb runoff, letting water soak into the soil, recharging ground water reserves and replenishing the streamflow or lake level later in the year.

They improve water quality – Plants filter out sediment, excess nutrients, pesticides, pathogens, and other pollutants before they enter the water. Vegetation shades and cools streams and small lakes during warm weather.

They enhance wildlife habitat – Trees and shrubs provide habitat and food for fish and aquatic creatures and travel corridors for many species of wildlife.

